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2 substrate comprising chromium.

1 24. (new) A reflector lamp according to claim 15, said major diameter being longer
2 than said minor diameter by a factor selected from the group consisting of 1.5, 2, 3, 4, and 5.

1 25. (new) A reflector lamp according to claim 15, said major diameter being 4 times
2 longer than said minor diameter.

1 26. (new) A reflector lamp according to claim 21, said wall of said glass cup and said
2 flange extending from said glass shell having substantially the same diameter, said wall of
3 said glass cup being permanently attached to said extending flange by glass fritting.

REMARKS

Applicant's counsel thanks the Examiner for a very thorough and careful examination of the present application. Claims 1, 7, 9-10, 16, and 20-21 have been amended and new claims 23-26 have been added to more clearly describe the invention. No new matter is entered. Basis for the new claims can be found in the specification and in the claims as filed. Specifically, basis for new claims 24 and 25 can be found in the specification at page 8 line 34 to page 9 line 2, and for claim 26 at page 11 lines 24-27 and page 12 lines 2-8.

Applicant notes with appreciation the indication of allowable subject matter in claims 10 and 17-19.

Claim 1 has been rejected under Section 102(b) as being allegedly anticipated by Walsh. Claim 1 has now been amended to incorporate the limitation "said nose chamber having an exhaust hole adapted for the passage of an exhaust tube therethrough in a base of said nose chamber, said exhaust hole being substantially offset from the center of said base of said nose chamber." This limitation is taken from claim 10 which was indicated as being allowed by the Examiner. Walsh neither teaches nor suggests providing an exhaust hole for an exhaust tube in a position that is substantially offset from the center of the base of the nose chamber as now recited in claim 1. Therefore, the rejection of claim 1 has been overcome, and claim 1 is now believed to be allowable.

The Examiner has rejected claim 15 under Section 102(b) as being allegedly anticipated by Zalar et al. This rejection is respectfully traversed. Claim 15 recites "said glass shell having an opening at said bottom forming the top of a slot in said base, said

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opening having a major diameter and a minor diameter, said major diameter being substantially longer than said minor diameter.” (See claim 15). This can be seen most clearly through reference to Figs. 6-8 of the pending application. Fig. 8 is a top view of the lamp with Figs. 6 and 7 being axial cross-sections thereof along lines 6-6 and 7-7 in Fig. 8 respectively. Fig. 8 clearly shows the opening of the slot 40 having a major diameter (in the left-right direction relative to Fig. 8) and a minor diameter (in the up-down direction), where the major diameter is “substantially longer than said minor diameter.” Fig. 6 shows a cross-section of the lamp in Fig. 8 that clearly shows the minor diameter, and Fig. 7 shows a similar cross-section, but taken along a plane rotated 90° relative to that in Fig. 6, which shows the major diameter. Nowhere do Zalar et al. disclose or remotely suggest such a construction. Referring to Fig. 1 of Zalar et al., pictured is an axial cross-section of the disclosed lamp. There is no indication or teaching that the opening which leads into the nose chamber of the lamp in Zalar et al. as pictured in Fig. 1 has a major diameter *and* a minor diameter, with the major diameter being substantially longer than the minor diameter as recited in claim 15. From Fig. 1 of Zalar et al., it appears that the opening leading from the main parabolic section 20 into the nose chamber 22 in Zalar et al. is substantially circular; i.e. not rectangular or oblong as in the case of an opening having both major and minor diameters where the major diameter is substantially longer than the minor diameter. Accordingly, the rejection of 15 has been overcome, and it is now believed that claim 15 is allowable.

Claim 20 has also been rejected under Section 102(b) over Zalar et al. Claim 20 has been amended to more clearly describe what is being claimed. Referring to Figs. 10-12 of the present application, claim 20 as amended recites “said flange [62] extending from said outer surface of said glass shell [12] and defining a perimeter of a chamber [74], an inwardly extending annular overhang portion [87] of said glass shell [12] extending over said chamber [74] and being substantially continuous with said glass shell [12], said extension having an inner surface coated with said reflective coating, said overhang portion [87] having an opening [66] therethrough in communication with said chamber [74].” It will be understood that such a construction results in an inner optical surface of the glass shell 12 for the reflective coating 14 that is as continuous as possible. In the embodiment of claim 20, the only discontinuity on the optical surface for the coating 14 is at the opening 66 which is provided to accommodate the wire lamp 36.

Conversely, Zalar et al. neither disclose nor suggest such an arrangement. The main parabolic portion (optical surface 20) in Zalar et al. terminates in a ring where it meets the opening to the nose portion or base 22. There is no inwardly extending annular overhang portion that is continuous with the glass shell (optical surface 20), and that extends over a

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chamber whose perimeter is defined by a flange extending from the glass shell. Therefore, the rejection of claim 20 has been overcome, claim 20 is now believed allowable.

All remaining claims are dependent claims and should thus also be allowable. Therefore, all of the all claims being in condition for allowance, early notice to that effect is respectfully requested.

If there are any fees required by this communication not covered by an enclosed check, please charge any such fees to our Deposit Account No. 16-0820, Order No. 32576.

Respectfully submitted,

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IN THE CLAIMS:

Please amend claims 1, 7, 9-10, 16, and 20 as follows:

1. (amended) A reflector lamp comprising a glass shell, a base, a wire lamp, and a heat shield, said wire lamp being disposed within said glass shell, said glass shell having a concave inner surface and an outer surface, said glass shell having a thickness, said glass shell having a reflective coating disposed on said inner surface, said glass shell having a bottom, said glass shell having an opening at said bottom, said base extending from said bottom of said glass shell, said opening and said base defining a nose chamber, said heat shield being disposed substantially within or adjacent said nose chamber, said nose chamber having an exhaust hole adapted for the passage of an exhaust tube therethrough in a base of said nose chamber, said exhaust hole being substantially offset from the center of said base of said nose chamber.

7. (amended) A reflector lamp according to claim 1, wherein said nose chamber has a plurality of holes disposed in ~~a~~ said base thereof ~~said nose chamber.~~

9. (amended) A reflector lamp according to claim 8, wherein two of said holes are adapted for the passage of ferrules therethrough, and one of said holes is adapted ~~for the passage of an exhaust tube therethrough~~ said exhaust hole.

10. (amended) A reflector lamp according to claim ~~19~~, wherein ~~said hole adapted for passage therethrough of said exhaust tube is substantially offset from the center of said base of said nose chamber,~~ said nose chamber having a diameter of less than 1 inch.

16. (amended) A reflector lamp according to claim 15, wherein said ~~slot~~ base has three openings therein, said openings being in communication with said slot in said ~~in a base thereof.~~

20. (amended) A reflector lamp comprising a glass shell, a wire lamp, and a flange, said wire lamp being disposed within said glass shell, said glass shell having a concave inner surface and an outer surface, said glass shell having a reflective coating disposed on said concave inner surface, said flange extending from said outer surface of said glass shell and

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defining a perimeter of a chamber, an inwardly extending annular overhang portion~~extension~~ of said glass shell extending over said chamber and being substantially continuous with said glass shell, said ~~extension overhang portion~~ having an inner surface coated with said reflective coating, said extension having an opening therethrough in communication with said chamber.

21. (amended) A reflector lamp according to claim 20, further comprising a glass cup attached to said flange extending from said outer surface of said glass shell, said glass cup comprising a base, a wall extending from said base of said glass cup at a perimeter thereof, and a plurality of openings extending through said ~~closed base~~ of said glass cup providing fluid connectivity between inner and outer surfaces thereof.